

WHAT IS CLAIMED IS:

1. A one-way clutch mounted to an annular space formed between a driving side member and a driven side member for transmitting rotation of the driving side member in one direction to the driven side member, the one-way clutch comprising:

a plurality of sprags arranged at the annular space along a circumferential direction thereof;

a first and second cages on an inner side and an outer side at the annular space, the first cage including a plurality of retaining pockets for retaining the sprags and at least one non-retaining pockets which does not retains the sprags and the second cage including a plurality of retaining pockets for retaining the sprags;

an annular spring member disposed between the first and second cages including a plurality of urging pockets for urging the sprags to erect the sprags and at least one non-retaining pockets which does not urge the sprags,

wherein the retaining pockets and the non-retaining pockets of the first cages are formed through the first cages at a pitch of a substantially equal angle in the circumferential direction, and

wherein respective positions of the retaining pockets of the first cages, respective positions of the retaining pockets of the second cage and respective positions of the urging pockets of the spring member correspond to each other in the radial

direction thereof.

2. The one-way clutch according to claim 1, wherein the second cage includes at least one non-retaining pockets which does not retain the sprags and a position of which corresponds to a position of the non-retaining pockets of the first cage.

3. The one-way clutch according to claim 1, wherein the first cage is an inner side cage and the second cage is an outer side cage.

4. The one-way clutch according to claim 1, wherein a sum of a number of the retaining pocket and a number of the at least one non-retaining pocket of the first cage corresponds to an upper limit number of pieces of the sprags which is set for an upper limit value of a required transmission torque.

5. The one-way clutch according to claim 1, wherein the second cage includes, at a portion between adjacent two of the retaining pockets and the non-retaining pockets thereof, a contact piece brought into contact with a peripheral face of one of the driving side member of the driven side member.

6. The one-way clutch according to claim 1, wherein the number of the sprags is an even number and the respective sprags are

arranged at positions opposed to the other sprags in the diameter direction.

7. The one-way clutch according to claim 1, wherein the retaining pockets and the non-retaining pockets of the first cage have a same shape, and the urging pockets and the non-urging pockets have a same shape.